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(71) Applicant (for all designated States except US): DSM IP ASSETS, B.V. [NL/NL]; Het Overloon 1, NL-6411 TE Heerlen (NL).

(72) Inventors; and
(75) Inventors/Applicants (for US only): MARISSEN, Roelof [NL/NL]; Koningstraat 55, NL-6121 HS Born (NL). LANGE, Ronald, Frans, Maria [NL/DE]; Mozartstrasse 17A, 67061 Ludwigshafen (DE). PUT, Jozef, Albert [BE/BE]; Keizel 66, B-3590 Diepenbeek (BE). VAN DIJK, Joachim [BE/BE]; Leuvensebaan 226, B-2580 Putte (BE).

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(54) Title: PROCESS FOR THE PRODUCTION OF AN ISOTROPIC POLYMERIC NETWORK

(57) Abstract: The present invention relates to a process for the production of an isotropic polymeric network comprising multifunctional molecules with a functionality, n, of at least 5 by contacting in a solvent an amount of the multifunctional molecules with an amount of a coupling agent, whereby through supramolecular chemistry a bond between the multifunctional molecule, and the coupling agent is formed. The invention furthermore relates to an isotropic polymeric network with a density lower than 1300 kg/m³ and a specific Young's modulus of at least 0.007 GPa m³/kg, shaped articles hereof and the use of the isotropic polymeric network as construction material.